

Amendments to the Claims:

Please amend the claims as indicated below. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A power transmission chain comprising:

a first series of links comprising a plurality rows of links positioned adjacent to each other and separated along a chain direction, the rows of the first series of links including:

a guide link and a drive link, the guide link separated from the drive link in a first lateral direction that is perpendicular to the chain direction, and the guide link and the drive link being substantially the same length along the chain direction;

a second series of links comprising a plurality rows of links positioned adjacent to each other and separated along a the chain direction, the rows of the second series of links including:

a guide link and a drive link, the guide link separated from the drive link in a second lateral direction that is perpendicular to the chain direction and opposite the first lateral direction, the guide link and the drive link being substantially the same length along the chain direction;

the drive links of the first and second series each form two teeth that extend from the link in a front direction that is perpendicular to the chain direction and to the first and second lateral directions, that are adjacent to each along the chain direction, and that define a region between the teeth to accept a sprocket tooth;

the guide links of the first and second series extend adjacent to the region between the teeth of the drive links;

the rows of the first series separated along the chain direction by a distance that is less than a length along the chain direction of the links of the second series,

the rows of the second series separated along the chain direction by a distance that is less than a length along the chain direction of the links of the first series;

the first series and the second series interleaved along the chain direction so that a row of links of the second series is positioned between and extending adjacent to links of adjacent rows of the first series and a row of links of the first series is positioned between and extending adjacent to links of adjacent rows of the second series,

the drive link of each interleaved row of the first series extending between and adjacent to the drive link and guide link of each row of the second series adjacent to the drive link of the row of the first series and the drive link of each interleaved row of the second series extending between and adjacent to the drive link and guide link of each row of the first series adjacent to the drive link of the row of the second series;

each row of links of the first series being pivotally connected to each row of the second series interleaved with the row of the first series at locations near the ends of the links of the first series along the chain direction where the adjacent rows of the first series and the second series are interleaved;

each row of links of the second series being pivotally connected to each row of the first series interleaved with the row of the second series at locations near the ends of the links of the second series along the chain direction where the adjacent rows of the first series and second series are interleaved;

whereby, separations along the chain direction between ends of drive links of adjacent rows of the first series are adjacent to the drive links of the second series and separations along the chain direction between ends of drive links of adjacent rows of the second series are adjacent

5301 } to the drive links of the first series and the guide links of alternate rows along the chain direction are positioned on ~~alternate~~ opposite lateral sides of the power transmission chain.

Claims 2 – 3 (cancelled) ✓

AI cont Claim 4 (original): A power transmission chain according to claim 1 wherein the interleaved links of each row form apertures that are aligned in the lateral directions and the interleaved links are pivotally connected by pins extending through the aligned apertures.

Claim 5 (currently amended): A power transmission chain according to claim ~~[[2]]~~¹ wherein the drive links define a backside surface opposite the teeth, the ~~back-side~~ backside surface including two ~~back-side~~ backside drive flanks facing at least in part along the chain direction, one at a first end of the drive link along the chain direction and one at a second end of the drive link opposite the first end along the chain direction.

Claim 6 (currently amended): A sprocket and power transmission chain comprising:

a sprocket having sprocket teeth extending radially outwardly at an outer surface of the sprocket, the sprocket teeth

arranged in a ~~plurality of~~ first series and a second series around a circumference of the sprocket, with ~~adjacent~~ the first series and second series offset from each other along a direction generally perpendicular to the series.

the teeth of each series separated from adjacent sprocket teeth of the series to accept a drive link of a power transmission chain between adjacent sprocket teeth,

a power transmission chain having a ~~plurality of~~ first series and a second series of laterally adjacent interleaved, pivotally connected drive links, each drive link of a series positioned adjacent to two drive links of a laterally adjacent series, one at each opposite end of the drive link along a chain direction,

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the drive links define a front side and a back side, the front side of a drive link defining two teeth for meshing with a front drive sprocket, the back side of a drive link defining flanks at opposite ends of the drive link along the chain direction and configured so that the back side of the drive link is accepted between adjacent sprocket teeth of a series of teeth of the sprocket;

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the power transmission chain having a guide link laterally adjacent to and separated from each of the drive links, so that an interleaved drive link is between and adjacent to the guide link and drive link at each opposite end of the drive link along the chain direction; and

the power transmission chain engaging the sprocket positioning a the first series of drive links between and engaging teeth of a the first series of sprocket teeth and a the second series of drive links between and engaging a the second series of sprocket teeth.

Claim 7 (cancelled):

Claim 8 (original): The sprocket and power transmission chain of claim 6, wherein the chain further comprises pins pivotally connecting interleaved drive links and guide links.

Claims 9 – 10 (cancelled)

Claim 11 (new) A power transmission chain according to claim 1 wherein the guide link and the drive links provide uniform stiffness across the row of links.

Claim 12 (new) A power transmission chain according to claim 11 wherein the rows of links include a plurality of drive links are immediately adjacent to provide drive link stiffness that that provides uniform stiffness across the row of links.